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ABSTRACT

This monograph is a computer printout which presents findings from an analysis of data on international cooperation over a three-year period. Part of a large scale research project to test various theories with regard to their ability to analyze international relations, this monograph presents the computer printout of data on the application of discriminant function analysis of 'underdog' and 'topdog' behavior among nations (UT actors) in light of relative status field theory. Field theory maintains that international relations consists of all the attributes and interactions of nations, can be analytically divided into attributes and behavior, and exhibits dyad formations (interactions between two nations) in matters of behavior. Scores on variables including domestic violence, economic development, political stability, population density, duration of national independence, colonial experience, military power, power base, and health conditions are compared for each nation to determine relative status. Field theory was applied to a single index for the three year period in question--the World Event Interaction Survey (WEIS) conflict data, which was created using the "New York Times" as a data source. The method involved assigning a negative or positive parameter weight on each predictive factor (such as economic development) which indicates the kind of behavior engaged in by that nation relative to other states. Nations were then assigned a status--underdog/topdog (UT) in this analysis. All of the independent variables treated are factors--that is, composite indexes generated out of a number of related variables using the technique of factor analysis. Findings are based on a significance level of .05 or less. Policy implications of each finding and a table of contents of all monographs in the study are included. (DB)

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ATTRIBUTES AND NATIONAL BEHAVIOR, PART 2: MODERN INTERNATIONAL RELATIONS MONOGRAPH SERIES.

RELATIVE STATUS-FIELD THEORY, RESULTS FOR COOPERATION, UT ACTORS, 1966-1969, AN INVENTORY OF FINDINGS

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ATTRIBUTES AND NATIONAL BEHAVIOR, PART 2.

PART 2 CONSISTS OF 42 MONOGRAPHS OF A LARGE SCALE PROJECT TESTING SEVERAL ATTRIBUTE, ATTRIBUTE DISTANCE BASED THEORIES. EACH RESEARCH MONOGRAPH IS NUMBERED AND GIVEN A SUB-TITLE, LISTED BELOW. EACH FOCUSES UPON SOME ASPECT OF A LARGE SCALE RESEARCH EFFORT CORRELATING NATIONAL ATTRIBUTES TO INTERNATIONAL BEHAVIOR. ALL MONOGRAPHS CAN BE PRINTED FROM TAPE BY COMPUTER.

TAPE SPECS ARE: 9 TRACK, 800 BPI, EBCDIC, 132 CHARACTER RECORDS, 2400 FEET.

NOTE! SINCE THE CODEBOOK WAS PUBLISHED, MONOGRAPHS 1-6, 10, 27 AND 39 HAVE BEEN FURTHER EDITED, REDUNDANCY REMOVED AND GATHERED TOGETHER UNDER THE TITLE OF: PROJECT THEORY: INTERPRETATIONS AND POLICY RELEVANCE. THIS COLECTION MAY BE FOUND IN FILE 8. SINCE IT IS UPDATED, IT IS RECOMENDED THAT THIS FILE BE USED INSTEAD OF THE ORIGINAL MATERIALS IN THE APPROPRIATE CASES. IN THE CASE OF THE OTHER FILES, THEY RETAIN THE ORIGINAL BUILT-IN REDUNDANCY.

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NOTE: ALL MONOGRAPHS ON TAPE ARE SET UP TO PRINT ON A UNIVAC DOCUMENT PROCESSOR. SPECIAL PROGRAMS TO ASSIST IN PRINTING ON A DECWRITER II FOR UPPER AND LOWER CASE, DOUBLE SPACE, LENGTH ADJUSTED FOR THE DECWRITER AND WITH FOOTNOTE CAPABILITY, ARE CONTAINED IN MONOGRAPH 26. TABLES OR FIGURES THAT GO BEYOND 80 COLUMNS MAY BE FOLDED IF THE DOCUMENT PROCESSOR IS USED. IF THIS IS UNDESIRABLE, THEY CAN BE PRINTED BY OTHER STANDARD PRINT COMMANDS, SUCH AS AN EDITOR PROGRAM, WHICH CAN PRINT, WITHOUT FOLDING, TO 132 COLUMNS. ALSO, DOCUMENT COMMANDS ARE INVISIBLE IN THE COPY ONLY IF THE DOCUMENT PROCESSOR IS USED. IF OTHER PRINT COMMANDS ARE USED, THE DOCUMENT COMMANDS WILL BE VISIBLE, I.E., WILL APPEAR AS >DOUBLE>, >SPACE>, ETC. AND ARE LEFT JUSTIFIED. IF THEY ARE NOT NEEDED, THEY CAN BE IGNORED OR EDITED OUT. ALL MONOGRAPHS ARE IN MIXED UPPER AND LOWER CASE, EXCEPT MONOGRAPHS 19 AND 26, WHICH ARE IN UPPER CASE ONLY.

Attributes and National Behavior:

Modern International Relations Monograph Series

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NOTE: Monographs 1-6, 10, 27 and 39 are available from University Press of America, 4710 Auth. Place, S.E. Washington, D.C. 20023 under the title of Project Theory, Interpretations and Policy Relevance, as well as Monograph 19 under its regular title. None of the above are reproduced in the ERIC collection, nor is Monograph 26, Project Programs, which is too long and technical for inclusion. Since tables must conform in the ERIC collection to a 8 1/2" by 11" format, many tables are folded, i.e. continue in a normal read fashion on the following line. Also, since everything is printed in fieldata, quotation marks are indicated by a >. Footnotes are flagged by XX, i.e. XX001 is the first footnote. The index which follows describes the entire tape collection, which may be obtained from Dr. Alan Newcombe, Peace Research Institute - Dudas, Dudas Ontario, L9H 4E5, under the above title.

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RELATIVE STATUS-FIELD THEORY, RESULTS FOR COOPERATION, UT ACTORS, 1966-1969, AN INVENTORY OF FINDINGS

THE ANALYSIS THAT FOLLOWS IS A COMPONENT OF A LARGER RESEARCH EFFORT THE PURPOSE OF WHICH IS TO TEST ATTRIBUTE THEORY (RUMMEL, 1969A), SOCIAL FIELD THEORY (RUMMEL, 1969A), DISTANCE THEORY (VINCENT, 1975), AND RELATIVE STATUS-FIELD THEORY, TREATING RELATIVE T = TOPDOG AND U = UNDERDOG BEHAVIOR IN THE INTERNATIONAL SYSTEM (VINCENT, 1976). ALL THEORIES ARE TESTED ON THE SAME, 1966-69, WEIS (AGGREGATED) DATA.

FULL TECHNICAL TREATMENT OF THE THEORIES AND METHODS IS GIVEN ELSEWHERE AND WILL NOT BE REPEATED HERE. THAT IS, DETAILS, SUCH AS THE CONSTRUCTION OF A-SPACE (ATTRIBUTE SPACE) OR D-SPACE (DISTANCE SPACE), ETC. CAN BE OBTAINED FROM THE RELEVANT BIBLIGRAPHIC ENTRIES. ELABORATE TECHNICAL DISCUSIONS, HOWEVER, ARE NOT REALLY NECESSARY TO UNDERSTAND OR USE THE RESULTS GENERATED HERE. IT SHOULD BE CLEAR, HOWEVER, THAT ALL OF THE INDEPENDENT VARIABLES TREATED, SUCH AS ECONOMIC DEVELOPMENT, ARE >FACTORS>, THAT IS, COMPOSITE INDEXES GENERATED OUT OF A NUMBER OF RELATED VARIABLES, USING THE TECHNIQUE OF FACTOR ANALYSIS.

WHEN THE THEORIES ARE APPLIED, EACH NATION RECIEVES A NEGATIVE OR POSITIVE PARAMETER WEIGHT ON EACH PREDICTIVE FACTOR, SUCH AS ECONOMIC DEVELOPMENT, WHICH INDICATES THE KIND OF BEHAVIORAL EXPORTATION ENGAGED IN BY THAT STATE RELATIVE TO OTHER STATES.

THE ANALYSIS PRESENTED HERE INDICATES THE RESULTS THAT OCCUR WHEN + TYPE NATION EXPORTERS ARE COMPARED TO - TYPE NATION EXPORTERS. THIS WILL BE ACCOMPLISHED BY TWO MODES OF ANALYSIS.

THE FIRST MODE WILL BE TO PERFORM A DISCRIMINANT FUNCTION ANALYSIS ON THE POSITIVE VERSUS THE NEGATIVE WEIGHT SUBJECTS, FOR EACH OF THE INDEPENDENT VARIABLES USING THE FACTORS OF A-SPACE AS DISCRIMINATORS. THE SECOND WILL BE TO CORRELATE THE FACTOR SCORES OF A-SPACE WITH THE MAGNITUDE OF THE WEIGHTS.

A BRIEF STATEMENT ON DISCRIMINANT FUNCTION ANALYSIS (HADLEY, 1961) SEEMS TO BE IN ORDER. ITS PURPOSE HERE IS TO DETERMINE, WHEN CONSIDERING TWO DIFFERENT NATION GROUPS, SCORED ON COMMON VARIABLES, WHICH OF THE VARIABLES BEST DISCRIMINATES BETWEEN NATION GROUPS. THIS IS DONE BY GIVING EACH GROUP MEMBER A DISCRIMINANT FUNCTION SCORE, WHICH IS A FUNCTION OF THE ORIGINAL VARIABLES WEIGHTED SO THAT THE MEAN OF THE DISCRIMINANT FUNCTION SCORES, FOR EACH GROUP, IS MAXIMALLY DIFFERENT. CORRELATIONS OF THE ORIGINAL VARIABLES WITH THE DISCRIMINANT FUNCTION SCORES INDICATE WHICH VARIABLES ARE THE BEST DISCRIMINATORS. FOR EXAMPLE, IF ECONOMIC DEVELOPMENT CORRELATES .60 WITH THE DISCRIMINANT FUNCTION SCORES OF A PARTICULAR ANALYSIS, SAY + WEIGHTS VS. - WEIGHTS IN RESPECT TO POWER BASE, THOSE WITH POSITIVE WEIGHTS, ON POWER BASE, WOULD TEND TO BE DEVELOPED STATES AND THOSE WITH NEGATIVE WEIGHTS, UNDERDEVELOPED STATES.

A PRODUCT OF DISCRIMINANT FUNCTION ANALYSIS IS AN F-TEST OF THE MEANS OF THE TWO GROUPS CONSIDERED ON THE VARIABLES. IN THE ABOVE EXAMPLE, IF THE MEAN OF THE + POWER STATES IS COMPARED WITH THE

MEAN OF THE - POWER STATES, IN RESPECT TO ECONOMIC DEVELOPMENT, THE MEAN OF THE FORMER STATES MIGHT BE .35, INDICATING THAT THE + POWER GROUP IS ABOVE THE SYSTEM AVERAGE IN RESPECT TO ECONOMIC DEVELOPMENT, WHILE THE - POWER STATES MIGHT HAVE A SCORE OF -.12, INDICATING THAT THE - POWER STATES ARE BELOW THE SYSTEM AVERAGE IN RESPECT TO ECONOMIC DEVELOPMENT. IF THE DIFFERENCE IS SIGNIFICANT, WE MAY CONCLUDE THAT THE + POWER STATES TEND TO BE DEVELOPED WHILE THE - POWER STATES TEND TO BE UNDERDEVELOPED.

EACH OF THE FINDINGS, WHICH FOLLOWS, IS BASED ON A SIGNIFICANCE LEVEL OF .05 OR LESS, AND COMPARES THE ATTRIBUTE CHARACTERISTICS OF THOSE WITH - VERSUS + WEIGHTS AS DETERMINED BY THE DISCRIMINANT FUNCTION ANALYSES.

THE FOLLOWING LISTS: LIST 1 = DISCRIMINANT RESULTS, POSITIVE WEIGHTS, LIST 2 = DISCRIMINANT RESULTS, NEGATIVE WEIGHTS, LIST 3 = CORRELATION RESULTS, POSITIVE WEIGHTS, LIST 4 = CORRELATION RESULTS, NEGATIVE WEIGHTS, ---- SHOW THE RELATIONSHIP OF THE NATIONAL ATTRIBUTES TO THE EXPORTATION PATTERNS.

EACH FINDING CAN BE VIEWED AS HAVING POTENTIAL POLICY IMPLICATIONS. FOR EXAMPLE, IF LOW ECONOMIC DEVELOPMENT IS ASSOCIATED WITH - WEIGHTS AND HIGH ECONOMIC DEVELOPMENT WITH + WEIGHTS, THEN, IT IS POSSIBLE THAT IF A STATE SHIFTS FROM LOW DEVELOPMENT TO HIGH DEVELOPMENT THAT ITS EXPORT WEIGHT PATTERN MAY SHIFT FROM - TO +. OBVIOUSLY SUCH AN INTERPRETATION IS SPECULATIVE SINCE >CAUSE> IS NOT CLEARLY ESTABLISHED BY THIS KIND OF ANAYLYSIS. NEVERTHELESS, THE FOLLOWING RESULTS STRONGLY SUGGEST THAT NATION ATTRIBUTES ARE LINKED (AT LEAST PREDICTIVELY) TO

EXPORT PATTERNS AND MAY BE LINKED CAUSALLY.

THE INVENTORY

LIST 1

AN INVENTORY OF FINDINGS FOR RELATIVE STATUS-FIELD THEORY, COOPERATION, A-SPACE FACTOR MEANS FOR POSITIVE WEIGHT NATIONS.

RELATIVE STATUS-UT I'S TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE ABOVE THEM ON ECONOMIC DEVELOPMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

MUCH ETHNO-LINGUISTIC FRACTIONALIZATION -.3297 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-UT I'S TEND TO EXPORT HIGH COOPERATION TO J'S FAR BELOW THEM ON HIGH POWER BASE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH POWER BASE .4700 (MEAN GROUP SCORE IN A-SPACE)

LARGE HEALTH EXPENDITURE AS PERCENT OF GNP -.8169 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-UT I'S TEND TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON POLITICAL INSTABILITY

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SMALL POPULATION GROWTH RATE .3165 (MEAN GROUP SCORE IN A-SPACE)

LARGE GNP GROWTH RATE .7014 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-UT I'S TEND TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON NON-COMPETITIVE POLITICAL SYSTEM

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A-SPACE)

RELATIVE STATUS-UT I'S TEND TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON SMALL POPULATION GROWTH RATE

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LARGE POPULATION GROWTH RATE -.5188 (MEAN GROUP SCORE IN A-SPACE)

LARGE POPULATION DENSITY -.4457 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-UT I'S TEND TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON SMALL POPULATION DENSITY

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LARGE POPULATION DENSITY -.4082 (MEAN GROUP SCORE IN A-SPACE)

MANY MILITARY PERSONNEL PER CAPITA -.2299 (MEAN GROUP SCORE IN A-SPACE)

HIGH PER CAPITA SCHOOL ENROLLMENT .6014 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-UT I'S TEND TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON SMALL CHRISTIAN COMMUNITY

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HIGH POWER BASE .7551 (MEAN GROUP SCORE IN A-SPACE)

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RELATIVE STATUS-UT I'S TEND TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON NEW CURRENCY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH POWER BASE 1.2546 (MEAN GROUP SCORE IN A-SPACE)

OLD CURRENCY -.3303 (MEAN GROUP SCORE IN A-SPACE)

@BRKPT PRINT$

LIST 2

AN INVENTORY OF FINDINGS FOR RELATIVE STATUS-FIELD THEORY, COOPERATION, A-SPACE FACTOR MEANS FOR NEGATIVE WEIGHT NATIONS.

RELATIVE STATUS-UT I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S FAR ABOVE THEM ON ECONOMIC DEVELOPMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION .5112 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-UT I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE BELOW THEM ON POWER BASE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE 1.0941 (MEAN GROUP SCORE IN A-SPACE)

SMALL HEALTH EXPENDITURE AS PERCENT OF GNP .2118 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-UT I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON POLITICAL INSTABILITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POPULATION GROWTH RATE -.3208 (MEAN GROUP SCORE IN A-SPACE)

SMALL GNP GROWTH RATE -.2101 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-UT I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON NON-COMPETITIVE POLITICAL SYSTEM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

NON-COMPETITIVE POLITICAL SYSTEM .1632 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-UT I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON SMALL POPULATION GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POPULATION GROWTH RATE .4604 (MEAN GROUP SCORE IN A-SPACE)

SMALL POPULATION DENSITY .4968 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-UT I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON SMALL POPULATION DENSITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POPULATION DENSITY .4007 (MEAN GROUP SCORE IN A-SPACE)

FEW MILITARY PERSONNEL PER CAPITA .4344 (MEAN GROUP SCORE IN A-SPACE)

LOW PER CAPITA SCHOOL ENROLLMENT -.3318 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-UT I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON SMALL CHRISTIAN COMMUNITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT -.9720 (MEAN GROUP SCORE IN A-SPACE)

SMALL CHRISTIAN COMMUNITY .5755 (MEAN GROUP SCORE IN A-SPACE)

FEW ELECTIONS -.2627 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-UT I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON RECENT NATIONAL INDEPENDENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE CHRISTIAN COMMUNITY -.1003 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-UT I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON LITTLE DOMESTIC VIOLENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL GNP GROWTH RATE AT FIXED PRICES -1.2289 (MEAN GROUP SCORE IN A-SPACE)

LOW PER CAPITA INTERNAL SECURITY FORCE -.7104 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-UT I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON LARGE GNP GROWTH RATE AT FIXED PRICES

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE .6165 (MEAN GROUP SCORE IN A-SPACE)

HIGH PER CAPITA INTERNAL SECURITY FORCE .6885 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-UT I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON FEW MILITARY PERSONNEL PER CAPITA

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE .3139 (MEAN GROUP SCORE IN A-SPACE)

RECENT NATIONAL INDEPENDENCE .7495 (MEAN GROUP SCORE IN A-SPACE)

LOW ENERGY PRODUCTION -.9974 (MEAN GROUP SCORE IN A-SPACE)

MANY EXECUTIVE ADJUSTMENTS -.5474 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-UT I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON LARGE GNP GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT -.9076 (MEAN GROUP SCORE IN A-SPACE)

LARGE POWER BASE .6334 (MEAN GROUP SCORE IN A-SPACE)

POLITICAL INSTABILITY .5801 (MEAN GROUP SCORE IN A-SPACE)

1 SMALL GNP GROWTH RATE AT FIXED PRICES -.6405 (MEAN GROUP SCORE IN A-SPACE)

1 LARGE GNP GROWTH RATE .5724 (MEAN GROUP SCORE IN A-SPACE)

1 MANY ELECTIONS .3884 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-UT I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON SMALL HEALTH EXPENDITURE AS PERCENT OF GNP

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RELATIVE STATUS-UT I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON HIGH PER CAPITA SCHOOL ENROLLMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH CRUDE DEATH RATE -.2721 (MEAN GROUP SCORE IN A-SPACE)

LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION .3159 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-UT I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON HIGH PER CAPITA INTERNAL SECURITY FORCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE .7115 (MEAN GROUP SCORE IN A-SPACE)

HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE .3203 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-UT I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON HIGH ENERGY PRODUCTION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT -.2573 (MEAN GROUP SCORE IN A-SPACE)

LARGE POWER BASE 1.1836 (MEAN GROUP SCORE IN A-SPACE)

FEW MILITARY PERSONNEL PER CAPITA .3554 (MEAN GROUP SCORE IN A-SPACE)

LOW PER CAPITA SCHOOL ENROLLMENT -.1222 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-UT I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON MANY ELECTIONS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RELATIVE STATUS-UT I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH PER CAPITA SCHOOL ENROLLMENT .4583 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-UT I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON FEW EXECUTIVE ADJUSTMENTS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE 1.4059 (MEAN GROUP SCORE IN A-SPACE)

LONG NATIONAL INDEPENDENCE -.3565 (MEAN GROUP SCORE IN A-SPACE)

MUCH ETHNO-LINGUISTIC FRACTIONALIZATION -.7641 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-UT I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON LOW CRUDE DEATH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RELATIVE STATUS-UT I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

FEW ELECTIONS -.1846 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-UT I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON NEW CURRENCY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE .7442 (MEAN GROUP SCORE IN A-SPACE)

NEW CURRENCY .5026 (MEAN GROUP SCORE IN A-SPACE)

LIST 3

AN INVENTORY OF FINDINGS FOR RELATIVE STATUS-FIELD THEORY, COOPERATION, A-SPACE FACTOR CORRELATIONS WITH POSITIVE WEIGHTS

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE ABOVE THEM ON ECONOMIC DEVELOPMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE N= 24 P= .0225 R= .4600

SMALL GNP GROWTH RATE N= 24 P= .0442 R= .4100

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S FAR BELOW THEM ON POWER BASE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

FEW EXECUTIVE ADJUSTMENTS N= 6 P= .0368 R= .8400

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON POLITICAL INSTABILITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW CRUDE DEATH RATE N= 12 P= .0417 R= .5900

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON NON-COMPETITIVE POLITICAL SYSTEM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON SMALL POPULATION GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT N= 22 P= .0491 R= .4200

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON SMALL POPULATION DENSITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POPULATION DENSITY N= 21 P= .0070 R= .5700

LOW CRUDE DEATH RATE N= 21 P= .0229 R= .4900

MUCH ETHNO-LINGUISTIC FRACTIONALIZATION N= 21 P= .0436 R= .4400

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON SMALL CHRISTIAN COMMUNITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LONG NATIONAL INDEPENDENCE N= 21 P= .0492 R= .4300

FEW EXECUTIVE ADJUSTMENTS N= 21 P= .0386 R= .4500

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON RECENT NATIONAL INDEPENDENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POPULATION DENSITY N= 12 P= .0021 R= .8000

LARGE CHRISTIAN COMMUNITY N= 12 P= .0417 R= .5900

SMALL HEALTH EXPENDITURE AS PERCENT OF GNP N= 12 P= .0302 R= .6200

NEW CURRENCY N= 12 P= .0060 R= .7400

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON LITTLE DOMESTIC VIOLENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON LARGE GNP GROWTH RATE AT FIXED PRICES

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT N= 27 P= .0420 R= .3900

POLITICAL INSTABILITY N= 27 P= .0238 R= .4300

SMALL POPULATION GROWTH RATE N= 27 P= .0039 R= .5400

SMALL POPULATION DENSITY N= 27 P= .0480 R= .3800

SMALL GNP GROWTH RATE AT FIXED PRICES N= 27 P= .0032 R= .5500

LARGE GNP GROWTH RATE N= 27 P= .0176 R= .4500

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON FEW MILITARY PERSONNEL PER CAPITA

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT N= 32 P= .0113 R= .4400

LARGE POPULATION GROWTH RATE N= 32 P= .0406 R= .3600

LARGE POPULATION DENSITY N= 32 P= .0406 R= .3600

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON LARGE GNP GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON SMALL HEALTH EXPENDITURE AS PERCENT OF GNP

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RECENT NATIONAL INDEPENDENCE N= 23 P= .0384 R= .4300

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON HIGH PER CAPITA SCHOOL ENROLLMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT N= 17 P= .0240 R= .5400

SMALL POWER BASE N= 17 P= .0141 R= .5800

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON HIGH PER CAPITA INTERNAL SECURITY FORCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON HIGH ENERGY PRODUCTION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL HEALTH EXPENDITURE AS PERCENT OF GNP N= 18 P= .0329 R= .5000

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM OV MANY ELECTIONS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ENERGY PRODUCTION N= 16 P= .0202 R= .5700

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHAN

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON FEW EXECUTIVE ADJUSTMENTS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT N= 28 P= .0212 R= .4300

MANY EXECUTIVE ADJUSTMENTS N= 28 P= .0182 R= .4400

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON LOW CRUDE DEATH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE GNP GROWTH RATE N= 18 P= .0130 R= .5700

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON NEW CURRENCY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LIST 4

AN INVENTORY OF FINDINGS FOR RELATIVE STATUS-FIELD THEORY, COOPERATION, A-SPACE FACTOR CORRELATIONS WITH NEGATIVE WEIGHTS

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S FAR ABOVE THEM ON ECONOMIC DEVELOPMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

MANY MILITARY PERSONNEL PER CAPITA N= 15 P= .0027 R= .7200

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE BELOW THEM ON POWER BASE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE N= 32 P= .0159 R= .4200

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON POLITICAL INSTABILITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LONG NATIONAL INDEPENDENCE N= 26 P= .0268 R= .4300

MUCH ETHNO-LINGUISTIC FRACTIONALIZATION N= 26 P= .0147 R= .4700

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON NON-COMPETITIVE POLITICAL SYSTEM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

NON-COMPETITIVE POLITICAL SYSTEM N= 22 P= .0016 R= .6400

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON SMALL POPULATION GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH PER CAPITA SCHOOL ENROLLMENT N= 17 P= .0162 R= .5700

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON SMALL POPULATION DENSITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW CRUDE DEATH RATE N= 18 P= .0130 R= .5700

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON SMALL CHRISTIAN COMMUNITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL CHRISTIAN COMMUNITY N= 18 P= .0083 R= .6000

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON RECENT NATIONAL INDEPENDENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

MUCH ETHNO-LINGUISTIC FRACTIONALIZATION N= 26 P= .0309 R= .4200

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON LITTLE DOMESTIC VIOLENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON LARGE GNP GROWTH RATE AT FIXED PRICES

TEND TO EXHIBIT THE CHARACTERISTICS OF:

NEW CURRENCY N= 12 P= .0082 R= .7200

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON FEW MILITARY PERSONNEL PER CAPITA

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POPULATION GROWTH RATE N= 6 P= .0459 R= .8200

FEW ELECTIONS N= 6 P= .0412 R= .8300

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON LARGE GNP GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LONG NATIONAL INDEPENDENCE N= 15 P= .0448 R= .5200

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON SMALL HEALTH EXPENDITURE AS PERCENT OF GNP

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON HIGH PER CAPITA SCHOOL ENROLLMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

FEW MILITARY PERSONNEL PER CAPITA N= 21 P= .0340 R= .4600

LOW RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE N= 21 P= .0492 R= .4300

OLD CURRENCY N= 21 P= .0436 R= .4400

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON HIGH PER CAPITA INTERNAL SECURITY FORCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE GNP GROWTH RATE AT FIXED PRICES N= 14 P= .0074 R= .6800

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON HIGH ENERGY PRODUCTION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION N= [illegible] P= .0082 R= .5600

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON MANY ELECTIONS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LITTLE POLITICAL INSTABILITY N= 22 P= .0383 R= .4400

LARGE POPULATION GROWTH RATE N= 22 P= .0435 R= .4300

SMALL GNP GROWTH RATE N= 22 P= .0020 R= .6300

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHAN

TEND TO EXHIBIT THE CHA ACTERISTICS OF:

LOW PER CAPITA INTERNAL SECURITY FORCE N= 25 P= .0346 R= .4200

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON FEW EXECUTIVE ADJUSTMENTS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE GNP GROWTH RATE AT FIXED PRICES N= 11 P= .0181 R= .6900

HIGH PER CAPITA SCHOOL ENROLLMENT N= 11 P= .0492 R= .6000

FEW ELECTIONS N= 11 P= .0292 R= .6500

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON LOW CRUDE DEATH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH PER CAPITA INTERNAL SECURITY FORCE N= 21 P= .0492 R= .4300

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LONG NATIONAL INDEPENDENCE N= 26 P= .0309 R= .4200

RELATIVE STATUS-UT I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON NEW CURRENCY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT N= 21 P= .0001 R= .7700

SMALL POPULATION DENSITY N= 21 P= .0436 R= .4400

SMALL HEALTH EXPENDITURE AS PERCENT OF GNP N= 21 P= .0199 R= .5000

NEW CURRENCY N= 21 P= .0070 R= .5700

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